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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Ullas Gargi

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EXAMINER

ONI, OLUBUSOLA

ART UNIT

PAPER NUMBER

2168

DATE MAILED: 08/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/631,369	<b>Applicant(s)</b> GARGI ET AL.	
	<b>Examiner</b> OLUBUSOLA ONI	<b>Art Unit</b> 2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-51 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-51 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

**Response to Amendment**

1. This action is responsive to communications: Application filed on 05/31/2006
2. Claims 1-22, 33-36 and 51 have been amended.
3. 101 rejection for claims 33-50 has been withdrawn. Applicant's arguments regarding 101 rejection for claims 1-32 and 51 is not persuasive and Examiner will maintain rejection.

***Claim Rejections - 35 USC § 101***

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-32 and 51 are rejected under 35 U.S.C. 101 because the claim invention is directed to non-statutory subject matter.

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In claims 1-21, 23-31, the "method" is recited; however all method claimed are abstract ideas not practical application, therefore it not limited to tangible, patent-eligible subject matter.

In claims 22, 32 and 51, a "system of organizing" is recited; however, system claimed comprises only software components. However, it is a computer software per se.

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-51 are rejected under 35 U.S.C. 102(e) as being anticipated by Platt et al. (Pub No U.S 2003/0009469) hereinafter "Platt".

For claim 1, Platt teaches "a method of organizing a collection of objects, arranged in a sequence order in accordance with a selected dimension of context-related metadata respectively associated with the objects, comprising: classifying the objects in the sequence to generate a series of object clusters, wherein the classifying comprises sequentially processing each of the object as a respective candidate for segmentation into a respective current one of the object clusters in the series and, for each of the candidate objects(See paragraph [0059-0063, 0072]) determining a candidate object interval separating the candidate object from an adjacent object in the sequence already segmented into the current object cluster, the candidate object interval being measured in the selected dimension of the context-related metadata(See paragraph [0012, 0037, 0041, 0045, 0058-0059])

"comparing the candidate object interval to a weighted measure of cluster extent for the current object cluster, the measure of the cluster extent corresponding to a current distance spanned by all the object in the current object cluster measured in the selected dimension of the content-related metadata". (See paragraph [0037,0052-0055, 0063-0072]), "comparing the candidate object interval to a weighted measure of cluster extent for the current object cluster, the measure of the cluster extent corresponding to a current distance spanned by all the object in the current object cluster measured in the selected dimension of the content-related metadata" (See paragraph [0063-0072])

and comparing the candidate object interval to a weighted measure of object density for the current object cluster, the measure of the object density corresponding to a measure of the distribution of distances separating adjacent ones of the objects in the current object cluster measured in the selected dimension of the context-related metadata. (See paragraph [0063-0072])

For claim 2, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches "wherein measures of cluster extent for each current object cluster correspond to a temporal distance spanned by recorded generation times associated with all objects in the current object cluster"(See paragraph [0012, 0037,0041, 0045, 0058-0059]).

For claim 3, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above, Platt teaches "wherein measures of cluster extent corresponds to a spatial distance spanned by recorded generation locations associated with all objects in the current object cluster (See paragraph [0034, 0037,0046, 0045, 0052-0055]).

For claim 4, this claim is rejected on grounds corresponding to the argument give above for rejected claims 1 above. Platt teaches "wherein measures of object density for

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each current object cluster corresponds to an average temporal distance separating adjacent objects in the current object cluster”(See paragraph [0045]).

For claim 5, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches “wherein measures of object density for each current object cluster corresponds to average spatial distance separating adjacent objects in the current object cluster” (See paragraph [0045-0046, 0053]).

For claim 6, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches “wherein the classifying comprises merging consecutive ones of the candidate objects into a current one of the object clusters until the candidate object interval determined for a current one of the candidate objects exceeds the weighted measure of extent for the current cluster, at which point a one of the object cluster in the series is initiated with the current candidate object” (See paragraph [0060-0063])

For claim 7, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches “wherein classifying comprises merging consecutive ones of the candidate objects into a current one of the object clusters until the candidate objects into a current one of the object clusters until the candidate object an interval determined for a current one of the candidate objects exceeds the weighted measure of object density in the given for the current object cluster, at which point a

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successive one of the object cluster in the series is initiated with the current candidate object" (See paragraph [0060-0063]).

For claim 8, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches "wherein weights applied to the measures of cluster extent decrease with increasing cluster size" (See paragraph [0072]).

For claim 9, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches "wherein the processing comprises determining weighted measures of cluster extent by applying to the measures of cluster extent respective weights that decrease with increasing sizes of the respective object clusters"(See paragraph [0072]).

For claim 10, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches "further comprising customizing at least one of the weights applied to the measures of cluster extent based on an analysis of objects in the corresponding object cluster" (See paragraph [0040]).

For claim 11, this claim is rejected on grounds corresponding to the argument give above for rejected claim 10 above. Platt teaches "wherein the customizing comprises scaling at least one of the weights applied to the measures of cluster extent



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customized based on a fractal dimension estimate of recorded time generation context-related meta data associated with the objects in the collection" (See paragraph [0040-0042])

For claim 12, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches "further comprising customizing at least one of the weights applied to the measures of cluster object density based on an analysis of objects in the corresponding object cluster"(See paragraph [0040]).

For claim 13, this claim is rejected on grounds corresponding to the arguments given above for rejected claim 12 above. Wherein the customizing at least one of the weights applied to the measures of the cluster extent based on a fractal dimension estimate of recorded time generation metadata associated with the objects in the collection.

For claim 14, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches "wherein the processing further comprises comparing the object density of a object density of a candidate object cluster consisting of the current object cluster and the candidate object with the weighted measure of object density for the current object cluster " (See paragraph [0059-0060]).

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For claim 15, this claim is rejected on grounds corresponding to the arguments given above for rejected claim 4 and are similarly rejected.

For claim 16, this claim is rejected on grounds corresponding to the arguments given above for rejected claim 5 and are similarly rejected.

For claim 17, this claim is rejected on grounds corresponding to the argument give above for rejected claim 14 above. Platt teaches "wherein the measure of object density for each object cluster corresponds to a moving average distance separating adjacent objects in the current object cluster"(See paragraph [0059-0060]).

For claim 18, this claim is rejected on grounds corresponding to the arguments given above for rejected claim 9 and are similarly rejected.

For claim 19, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches "wherein the processing comprises each of the candidate objects sequentially beginning at a first end of the object sequence" (See paragraph [0058-0060]).

For claim 20, this claim is rejected on grounds corresponding to the argument give above for rejected claim 19 above. Platt teaches "wherein the processing comprises

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each of the candidate objects sequentially beginning at second end of the object sequence opposite the first end" (See paragraph [0058-0060]).

For claim 21, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Platt teaches "wherein the sequence to be segmented includes objects of the following types: text, audio, graphics, still images, video and business events"(See paragraph [0003]).

Claim 22 is essentially the same as claim 1 except it set forth the limitation as "a system organizing" rather than "a method of organizing", and therefore are rejected for the same reason as discussed in claim 1.

For claim 23, Platt teaches "a method of organizing a collection of objects, comprising segmenting objects from the collection into clusters; extracting context-related meta data associated with the objects and parsable into multiple levels of a name hierarchy" (See paragraph [0037, 0059]); "and assigning names to clusters based on the extracted context-related meta data corresponding to a level of the name hierarchy selected to distinguish segmented clusters from one another" (See paragraph [0035, 0036, 0040, 0046]).

For claim 24, this claim is rejected on grounds corresponding to the argument give above for rejected claim 23 above. Platt teaches, "wherein names are assigned to

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clusters based on the extracted context-related meta data corresponding to a highest level of the name hierarchy that distinguishes clusters from each other” (See paragraph [0035-0037]).

For claim 25, this claim is rejected on grounds corresponding to the argument give above for rejected claim 23 above. Platt teaches “wherein the context-related meta data corresponds to object generation times” (See paragraph [0012, 0037,0041, 0045, 0058-0059]).

For claim 26, this claim is rejected on grounds corresponding to the argument give above for rejected claim 23 above. Platt teaches “wherein the context-related meta data corresponds to object generation locations”(See paragraph [0034, 0037,0046, 0045, 0052-0055]).

For claim 27, this claim is rejected on grounds corresponding to the argument give above for rejected claim 26 above. “wherein the context-related meta data corresponds to recorded information relating to country, city, and state of object generation” (See paragraph [0034-0036]).

For claim 28, this claim is rejected on grounds corresponding to the argument give above for rejected claim 23 above. Platt teaches “wherein the context-related meta data

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corresponds to both object generation times and object generation locations” (See paragraph [0012, 0034, 0037,0041, 0045, 0046, 0052-0055, 0058-0059]).

For claim 29, this claim is rejected on grounds corresponding to the argument give above for rejected claim 23 above. Platt teaches “further comprising automatically naming objects in a given cluster based on the name assigned to the given cluster” (See paragraph [0035-0038]).

For claim 30, this claim is rejected on grounds corresponding to the argument give above for rejected claim 29 above. Platt teaches “wherein the objects in the given cluster are named automatically in accordance with a chronological ordering of the objects in the given cluster” (See paragraph [0035-0038]).

For claim 31, this claim is rejected on grounds corresponding to the argument give above for rejected claim 29 above. Platt teaches “further comprising storing objects in the given cluster in a tree structure organized by cluster and labeled in accordance with the assigned names” (See paragraph [0035-0038]).

Claim 32 is essentially the same as claim 23 except it set forth the limitation as “a system organizing” rather than “a method of organizing”, and therefore are rejected for the same reason as discussed in claim 23.

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For claim 33, Platt teaches “accessing a sequence of objects segmented into clusters each including multiple objects arranged in a respective sequence in accordance with context-related meta data associated with the objects”(See paragraph [0034-0037]); “selecting for each object cluster at least two constituent objects representative of beginning and ending instances in the corresponding object sequence”(See paragraph [0059-0060]); “and in a user interface graphically presenting the selected representative objects of each cluster without graphically presenting representations of unselected ones of the constituent object of the clusters” (See paragraph [0072-0077]).

For claim 34, this claim is rejected on grounds corresponding to the argument give above for rejected claim 33 above. Platt teaches “further comprising graphically presenting a selected one of the clusters as a stack of partially overlapping images representative of multiple objects in a cluster in the selected cluster”(See paragraph [0076-0077]).

For claim 35, this claim is rejected on grounds corresponding to the argument give above for rejected claim 34 above. Platt teaches “further comprising revealing an increased portion of a given representative image in the stack in response to detection of a user-controlled display icon positioned over the given representative image” (See paragraph [0076-0077]).

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For claim 36, this claim is rejected on grounds corresponding to the argument give above for rejected claim 33 above. Platt teaches "wherein the presenting comprises presenting the selected representative objects with the spacing between adjacent ones of the selected representative objects in the same cluster smaller than the spacing between adjacent ones of the selected representative objects in different" (See paragraph [0072-0077]).

For claim 37, this claim is rejected on grounds corresponding to the argument give above for rejected claim 33 above. Platt teaches "further comprising merging objects of one cluster into an adjacent cluster in response to user input" (See paragraph [0076]).

For claim 38, this claim is rejected on grounds corresponding to the argument give above for rejected claim 37 above. Platt teaches "wherein objects of one cluster are merged into an adjacent cluster in response to dragging and dropping of the objects to be merged" (See paragraph [0076]).

For claim 39, this claim is rejected on grounds corresponding to the argument give above for rejected claim 37 above. Platt teaches "wherein the objects of the one cluster are merged into the adjacent cluster in response to user selection of an icon for merging the clusters" (See paragraph [0076]).

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For claim 40, this claim is rejected on grounds corresponding to the argument give above for rejected claim 33 above. Platt teaches "further comprising presenting a graphical representation of distributions of objects in the clusters" (See paragraph [0076-0077]).

For claim 41, this claim is rejected on grounds corresponding to the argument give above for rejected claim 40 above. Platt teaches "wherein a object distribution for a given cluster is presented as object instances plotted along an axis corresponding to a scaled representation of the context-related extent spanned by the given cluster"(See paragraph [0064-0073]).

For claim 42, this claim is rejected on grounds corresponding to the argument give above for rejected claim 40 above. Platt teaches "further comprising splitting a given cluster in response to user selection of a point in the representation of the object distribution presented for the given cluster"(See paragraph [0075]).

For claim 43, this claim is rejected on grounds corresponding to the argument give above for rejected claim 40 above. Platt teaches "further comprising automatically splitting a given cluster into two or more clusters in response to user input" (See paragraph [0075]).



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For claim 44, this claim is rejected on grounds corresponding to the argument give above for rejected claim 43 above. Platt teaches "wherein the given cluster is automatically split into a user-selected number of sub-clusters"(See paragraph [0075]).

For claim 45, this claim is rejected on grounds corresponding to the argument give above for rejected claim 43 above. Platt teaches "wherein the given cluster is automatically split based on relative sizes of intervals between successive objects in the given cluster"(See paragraph [0072-0075]).

For claim 46, this claim is rejected on grounds corresponding to the arguments given above for rejected claim 25 and are similarly rejected.

For claim 47, this claim is rejected on grounds corresponding to the arguments given above for rejected claim 26 and are similarly rejected.

For claim 48, this claim is rejected on grounds corresponding to the arguments given above for rejected claim 21 and are similarly rejected.

For claim 49, this claim is rejected on grounds corresponding to the argument give above for rejected claim 33 above. Platt teaches "further comprising graphically presenting at least one link to an object of a cluster arranged in a sequence in

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accordance with time-related meta data in a calendar format”(See paragraph [0076-0077]).

For claim 50, this claim is rejected on grounds corresponding to the argument give above for rejected claim 33 above. Platt teaches “further comprising graphically presenting at least one link to an object of a cluster arranged in a sequence in accordance with location-related meta data in a map format”(See paragraph [0040, 0076-0077]).

For claim 51, Platt teaches “ accessing a sequence of objects from the collection segmented into clusters each including multiple objects arranged in a respective sequence in accordance with context-related meta data associated with the objects” (See paragraph [0034-0037]); “selecting for each object cluster at least two constituent objects representative of beginning and ending instances in the corresponding object sequence” (See paragraph [0059-0060]); “and in a user interface graphically present the selected representative objects of each cluster on a screen without graphically representations of unselected ones of the constituent objects of the clusters, wherein the user interface layout engine presents selected representative objects with spacing between adjacent ones of the selected representative objects in the same cluster smaller than the spacing between adjacent ones of the selected representative objects in different” (See paragraph [0072-0077])

**Response to Argument**

7. Applicant's argument filed May 31, 2006 has been fully considered but they are not persuasive. The examiner respectfully traverses applicant's arguments.

As per claim 1 and 22 applicant argued that Platt does not teaches "a method of organizing a collection of objects, arranged in a sequence order in accordance with a selected dimension of context-related metadata respectively associated with the objects, comprising: classifying the objects in the sequence to generate a series of object clusters, wherein the classifying comprises sequentially processing each of the object as a respective candidate for segmentation into a respective current one of the object clusters in the series and, for each of the candidate objects. On the contrary that Platt teaches at paragraph 0035-0037, 0045 "a method of organizing a collection of objects, arranged in a sequence order in accordance with a selected dimension of context-related metadata respectively associated with the objects, comprising: classifying the objects in the sequence to generate a series of object clusters, wherein the classifying comprises sequentially processing each of the object as a respective candidate for segmentation into a respective current one of the object clusters in the series and, for each of the candidate objects. Wherein Platt's teachings include categorizing and clustering media object. Platt's teaching also include storing similar media objects in a collection, category or to index media objects. Platt also teaches at paragraph 0012, 0037, 0041, 0045, 0058-0059 "determining a candidate object interval separating the candidate object interval separating the candidate object from an

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adjacent object in the sequence already segmented into the current object cluster, the candidate object interval being measured in the selected dimension of the context-related metadata”.

Applicant also argued that Platt does not teach “comparing the candidate object interval to a weighted measure of cluster extent for the current object cluster, the measure of the cluster extent corresponding to a current distance spanned by all the object in the current object cluster measured in the selected dimension of the content-related metadata”. On the contrary Platt teaches at paragraph 0037,0052-0055 and 0063-0072, “comparing the candidate object interval to a weighted measure of cluster extent for the current object cluster, the measure of the cluster extent corresponding to a current distance spanned by all the object in the current object cluster measured in the selected dimension of the content-related metadata”, wherein Platt’s teachings include comparing the creation times and intervals of the media objects to the threshold.

Platt also teaches at paragraph 0063-0072 “comparing the candidate object interval to a weighted measure of cluster extent for the current object cluster, the measure of the cluster extent corresponding to a current distance spanned by all the object in the current object cluster measured in the selected dimension of the content-related metadata”.

As per claim 23, applicant argued that Platt does not teaches “a method of organizing a collection of objects, comprising segmenting objects from the collection into

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clusters; extracting context-related meta data associated with the objects and parsable into multiple levels of a name hierarchy” and “and assigning names to clusters based on the extracted context-related meta data corresponding to a level of the name hierarchy selected to distinguish segmented clusters from one another”.

On the contrary Platt teaches “a method of organizing a collection of objects, comprising segmenting objects from the collection into clusters; extracting context-related meta data associated with the objects and parsable into multiple levels of a name hierarchy” at paragraph 0037, 0059; “and assigning names to clusters based on the extracted context-related meta data corresponding to a level of the name hierarchy selected to distinguish segmented clusters from one another” at paragraph 0035, 0036, 0040, 0046, wherein Platt’s teaching include arranging the similar media objects are arranged in groups called collection, and a name such as holiday collection, Christmas collection and birthday collection is assigned to distinguish clusters from one another, thus teachings are synonymous.

As per claims 51 and 33, Platt teaches “accessing a sequence of objects segmented into clusters each including multiple objects arranged in a respective sequence in accordance with context-related meta data associated with the objects”(See paragraph [0034-0037]);

Applicant argued that Platt does not teach “selecting for each object cluster at least two constituent objects representative of beginning and ending instances in the

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corresponding object sequence" on the contrary Platt teaches at paragraph 0059-0060 "selecting for each object cluster at least two constituent objects representative of beginning and ending instances in the corresponding object sequence". Wherein Platt's teachings include comparing the creation time of the current image to the last time variable, thus teachings are synonymous.

Applicant also argued that Platt does not teach "in a user interface graphically presenting the selected representative objects of each cluster without graphically presenting representations of unselected ones of the constituent object of the clusters" on the contrary Platt teaches at paragraph 0072-0077 "in a user interface graphically presenting the selected representative objects of each cluster without graphically presenting representations of unselected ones of the constituent object of the clusters". Wherein the representative images are chosen for each cluster, the representative images are then displayed on the user interface, thus teachings are synonymous.

101 rejection for claims 1-21, examiner does not agree with applicants explanation of a tangible result been "a series of object clusters" it is unclear as to how that is a real-world result and tangible patent –eligible subject matter. As per claims 23-31 examiner also disagrees with applicants explanation of tangible result been "object clusters with assigned names" it is unclear as to how that can be referred to as a real-world result and tangible patent-eligible subject matter. As per claims 22, 32 and 51, applicant's responds to rejection is different from the rejection. Applicants comment regarding all of

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the above claims are not persuasive, thus examiner will maintain 101 rejection for all the listed claims.

**Conclusion**

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

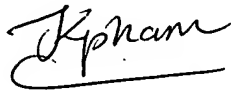
Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLUBUSOLA ONI whose telephone number is 571-272-2738. The examiner can normally be reached on 7.30-5.00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIM VO can be reached on 571-272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



**HANH B. PHAM**  
**PRIMARY EXAMINER**

OLUBUSOLA ONI  
Examiner  
Art Unit 2168